

On page 10, please delete lines 31-34.

On page 11, please delete lines 1 and 2;

Please replace the paragraph beginning on page 16 line 12 with the following:

B2

Figure 8 is a view for illustrating a process for generating carboxyl groups newly by a second exposure in Example 2 of the present invention.

Please replace the paragraph beginning on page 16 line 15 with the following:

FOOTNOTES

B3

Figure 9 is a schematic cross-sectional view of a liquid crystal alignment film for illustrating a state where two types of chemisorption films each having a different alignment direction are formed in Example 2.

Please replace the paragraph beginning on page 16 line 17 with the following:

B4

Figure 10 is a schematic cross-sectional view enlarged to a molecular level for illustrating a state where a siloxane monomolecular film is formed in Example 3 of the present invention.

Please replace the paragraph beginning on page 34 line 11 with the following:

B6

Such a device was able to display images in the direction shown by arrow C by being entirely irradiated with blacklight 53 and by driving each transistor with video signals.

**Please replace the paragraph beginning on page 39, line 3 with the following:**

Furthermore, since the thus obtained siloxane monomolecular film 72 was firmly bonded to the substrate via the chemical bonds of  $\text{-SiO-}$ , it was not peeled off. Furthermore, the obtained monomolecular film has a large number of  $\text{SiOH}$  bonds on its surface. The  $\text{SiOH}$  bonds were generated in a number about twice or three times the original number of  $\text{-OH}$  groups. The treated portion in this state was highly hydrophilic. Then, in this state, when the chemisorption process was performed by using the same surfactant as in Example 5, the same monomolecular chemisorption film comprising carbon chains obtained as a result of the reaction of the surfactant as in Figure 14 was formed in a thickness of about 1 nm by being chemically bonded through covalent bonds of siloxane via the siloxane monomolecular film. At this time, since the adsorption sites ( $\text{OH}$  groups in this case) on the surface of the substrate before the adsorption of the surfactant were about twice or three times as many as that in Example 5, the density of the adsorbed molecules was larger than that of Example 5. Furthermore, the treated portion became lipophilic. The molecules of the chemisorption film in this case, although having a different molecular density, were aligned in the direction opposite to the lifting direction, namely the direction in which the solution had been drained off.

**Please replace the paragraph beginning on page 48 line 30 with the following:**

Furthermore, since the thus obtained siloxane monomolecular film 112 was firmly bonded to the substrate via chemical bonds of  $\text{-SiO-}$ , it was not peeled

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Cont  
B7

off. Furthermore, the obtained monomolecular film has a large number of SiOH bonds on its surface. The SiOH bonds were generated in a number about twice or three times the original number of -OH groups. The treated portion in this state was highly hydrophilic. Then, in this state, when the chemisorption process was performed by using the same surfactant as in Example 12, the same monomolecular chemisorption film comprising carbon chains obtained as a result of the reaction of the surfactant as in figure 25 was formed in a thickness of about 1.5 nm by being chemically bonded through covalent bonds of siloxane via the siloxane monomolecular film 112. At this time, since the adsorption sites (OH groups in this case) on the surface of the substrate before adsorption were about twice or three times as many as that in Example 12, the density of the adsorbed molecules was higher than that of Example 12. The treated portion became lipophilic. The molecules of the chemisorption film in this case, although having a different molecular density were aligned in the direction opposite to the lifting direction, namely the direction in which the solution had been drained off.

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B7  
**Please replace the paragraph beginning on page 54 line 22 with the following:**

Furthermore, the following compounds comprising a siloxane bond chain and a chlorosilyl group, or an alkoxysilane group or an isocyanate silyl group were usable. In this case as well, a film having a high alignment was obtained.

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